RAW SEQUENCE LISTING   DATE: 09/19/2001
PATENT APPLICATION: US/09/825,751 TIME: 14:51:03

Input Set : A:\Cura-251.app
Output Set: N:\CRF3\09192001\I825751.raw

```
    3 <110> APPLICANT: Vernet, Corine A. M.
    4          Burgess, Catherine E
    5          Fernandes, Elma R
    6          Taupier, Raymond J
    7          Quinn, Kerry E
    8          Spytek, Kimberly A
    9          Rastelli, Luca
   10          Herrman, John L
   12 <120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
   14 <130> FILE REFERENCE: 15966-750
   16 <140> CURRENT APPLICATION NUMBER: 09/825,751
C--> 17 <141> CURRENT FILING DATE: 2001-09-07
   19 <150> PRIOR APPLICATION NUMBER: 60/194,314
   20 <151> PRIOR FILING DATE: 2000-04-03
   22 <150> PRIOR APPLICATION NUMBER: 60/225,693
   23 <151> PRIOR FILING DATE: 2000-08-16
   25 <160> NUMBER OF SEQ ID NOS: 85
   27 <170> SOFTWARE: PatentIn Ver. 2.1
```

Does Not Comply
Corrected Diskette Needed

Sequence is unintelligeable

Gross Format Errors Contact Robert Wax at 703 308 4216

ERRORED SEQUENCES

```
 1733 <210> SEQ ID NO: 22
 1734 <211> LENGTH: 20
 1735 <212> TYPE: DNA
 1736 <213> ORGANISM: Artificial Sequence
 1738 <220> FEATURE:
 1739 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1740          ag, 390
W--> 1742 <210> SEQ ID NO:
W--> 1742 <211> LENGTH:
W--> 1742 <212> TYPE:
W--> 1742 <213> ORGANISM:
 1742 <400> SEQUENCE: 22
E--> 1743 accaatgtca tcggaggctt
 1746 <210> SEQ ID NO: 23
 1747 <211> LENGTH: 21
 1748 <212> TYPE: DNA
 1749 <213> ORGANISM: Artificial Sequence
 1751 <220> FEATURE:
 1752 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1753          ag 390
W--> 1755 <210> SEQ ID NO:
W--> 1755 <211> LENGTH:
W--> 1755 <212> TYPE:
W--> 1755 <213> ORGANISM:
 1755 <400> SEQUENCE: 23
```

"ag" characters need to be at the end of line 1739

20

"ag" characters need to be at the end of line 1752

```
        RAW SEQUENCE LISTING              DATE: 09/19/2001
        PATENT APPLICATION:  US/09/825,751    TIME: 14:51:03

        Input Set : A:\Cura-251.app
        Output Set: N:\CRF3\09192001\I825751.raw

E--> 1756 gatgtcctcg caggtcatca t                              21
     1759 <210> SEQ ID NO: 24
     1760 <211> LENGTH: 23
     1761 <212> TYPE: DNA
     1762 <213> ORGANISM: Artificial Sequence
     1764 <220> FEATURE:
     1765 <223> OTHER INFORMATION: Description of Artificial Sequence:Probe Primer
E--> 1766          ag 90
W--> 1768 <210> SEQ ID NO:
W--> 1768 <211> LENGTH:
W--> 1768 <212> TYPE:
W--> 1768 <213> ORGANISM:
     1768 <400> SEQUENCE: 24
E--> 1769 tcaaagccgt cagcacaggc aca
     1787 <210> SEQ ID NO: 26
     1788 <211> LENGTH: 21
     1789 <212> TYPE: DNA
     1790 <213> ORGANISM: Artificial Sequence
     1792 <220> FEATURE:
     1793 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1794          ag 271
W--> 1796 <210> SEQ ID NO:
W--> 1796 <211> LENGTH:
W--> 1796 <212> TYPE:
W--> 1796 <213> ORGANISM:
     1796 <400> SEQUENCE: 26
E--> 1797 acctggacat agggcgtgtc t                              21
     1800 <210> SEQ ID NO: 27
     1801 <211> LENGTH: 20
     1802 <212> TYPE: DNA
     1803 <213> ORGANISM: Artificial Sequence
     1805 <220> FEATURE:
     1806 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1807          ag 271
W--> 1809 <210> SEQ ID NO:
W--> 1809 <211> LENGTH:
W--> 1809 <212> TYPE:
W--> 1809 <213> ORGANISM:
     1809 <400> SEQUENCE: 27
E--> 1810 tcgatggaag tctccttgcc                                20
     1838 <210> SEQ ID NO: 30
     1839 <211> LENGTH: 20
     1840 <212> TYPE: DNA
     1841 <213> ORGANISM: Artificial Sequence
     1843 <220> FEATURE:
     1844 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1845          ag 72
W--> 1847 <210> SEQ ID NO:
W--> 1847 <211> LENGTH:
```

"ag" characters need to be at end of line 1765.

Global Errors 23

```
                        RAW SEQUENCE LISTING              DATE: 09/19/2001
                        PATENT APPLICATION:  US/09/825,751    TIME: 14:51:03

                        Input Set : A:\Cura-251.app
                        Output Set: N:\CRF3\09192001\I825751.raw

W--> 1847 <212> TYPE:
W--> 1847 <213> ORGANISM:
     1847 <400> SEQUENCE: 30
E--> 1848 cggaaagacc cagcagtgtt                                           20
     1851 <210> SEQ ID NO: 31
     1852 <211> LENGTH: 25
     1853 <212> TYPE: DNA
     1854 <213> ORGANISM: Artificial Sequence
     1856 <220> FEATURE:
     1857 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1858       ag 72
W--> 1860 <210> SEQ ID NO:
W--> 1860 <211> LENGTH:
W--> 1860 <212> TYPE:
W--> 1860 <213> ORGANISM:
     1860 <400> SEQUENCE: 31
E--> 1861 atgatgtgaa cgagtgtgag tcctt                                     25
     1893 <210> SEQ ID NO: 34
     1894 <211> LENGTH: 22
     1895 <212> TYPE: DNA
     1896 <213> ORGANISM: Artificial Sequence
     1898 <220> FEATURE:
     1899 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1900       ag 248
W--> 1902 <210> SEQ ID NO:
W--> 1902 <211> LENGTH:
W--> 1902 <212> TYPE:
W--> 1902 <213> ORGANISM:
     1902 <400> SEQUENCE: 34
E--> 1903 tttccaacaa gatctgcaac ca                                        22
     1906 <210> SEQ ID NO: 35
     1907 <211> LENGTH: 17
     1908 <212> TYPE: DNA
     1909 <213> ORGANISM: Artificial Sequence
     1911 <220> FEATURE:
     1912 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1913       ag 248
W--> 1915 <210> SEQ ID NO:
W--> 1915 <211> LENGTH:
W--> 1915 <212> TYPE:
W--> 1915 <213> ORGANISM:
     1915 <400> SEQUENCE: 35
E--> 1916 aggtagcccg cgcagag                                              17
     1947 <210> SEQ ID NO: 38
     1948 <211> LENGTH: 25
     1949 <212> TYPE: DNA
     1950 <213> ORGANISM: Artificial Sequence
     1952 <220> FEATURE:
     1953 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
```

RAW SEQUENCE LISTING   DATE: 09/19/2001
PATENT APPLICATION: US/09/825,751   TIME: 14:51:03

Input Set : A:\Cura-251.app
Output Set: N:\CRF3\09192001\I825751.raw

```
E--> 1954          ag 287
W--> 1956 <210> SEQ ID NO:
W--> 1956 <211> LENGTH:
W--> 1956 <212> TYPE:
W--> 1956 <213> ORGANISM:
     1956 <400> SEQUENCE: 38
E--> 1957 aactcagact gcaattgtga tgaaa                          25
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/825,751

DATE: 09/19/2001
TIME: 14:51:04

Input Set : **A:\Cura-251.app**
Output Set: **N:\CRF3\09192001\I825751.raw**

```
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1740 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:22
L:1740 M:112 C: (48) String data converted to lower case,
L:1740 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:22
L:1742 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1742 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1742 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1742 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1753 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:23
M:112 Repeated in SeqNo=23
L:1753 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:2 SEQ:23
L:1755 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1755 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1755 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1755 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1766 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:24
M:112 Repeated in SeqNo=24
L:1766 M:252 E: No. of Seq. differs, <211>LENGTH:Input:23 Found:2 SEQ:24
L:1768 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1768 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1768 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1768 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1794 M:254 E: No. of Bases conflict, LENGTH:Input:271 Counted:2 SEQ:26
M:112 Repeated in SeqNo=26
L:1794 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:2 SEQ:26
L:1796 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1796 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1796 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1796 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1807 M:254 E: No. of Bases conflict, LENGTH:Input:271 Counted:2 SEQ:27
M:112 Repeated in SeqNo=27
L:1807 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:27
L:1809 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1809 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1809 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1809 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1845 M:254 E: No. of Bases conflict, LENGTH:Input:72 Counted:2 SEQ:30
M:112 Repeated in SeqNo=30
L:1845 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:30
L:1847 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1847 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1847 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1847 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1858 M:254 E: No. of Bases conflict, LENGTH:Input:72 Counted:2 SEQ:31
M:112 Repeated in SeqNo=31
L:1858 M:252 E: No. of Seq. differs, <211>LENGTH:Input:25 Found:2 SEQ:31
L:1860 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1860 M:282 W: Numeric Field Identifier Missing, <211> is required.
```

VERIFICATION SUMMARY   DATE: 09/19/2001
PATENT APPLICATION: **US/09/825,751**   TIME: 14:51:04

Input Set : **A:\Cura-251.app**
Output Set: **N:\CRF3\09192001\I825751.raw**

```
L:1860 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1860 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1900 M:254 E: No. of Bases conflict, LENGTH:Input:248 Counted:2 SEQ:34
M:112 Repeated in SeqNo=34
L:1900 M:252 E: No. of Seq. differs, <211>LENGTH:Input:22 Found:2 SEQ:34
L:1902 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1902 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1902 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1902 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1913 M:254 E: No. of Bases conflict, LENGTH:Input:248 Counted:2 SEQ:35
M:112 Repeated in SeqNo=35
L:1913 M:252 E: No. of Seq. differs, <211>LENGTH:Input:17 Found:2 SEQ:35
L:1915 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1915 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1915 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1915 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1954 M:254 E: No. of Bases conflict, LENGTH:Input:287 Counted:2 SEQ:38
M:112 Repeated in SeqNo=38
L:1954 M:252 E: No. of Seq. differs, <211>LENGTH:Input:25 Found:2 SEQ:38
L:1956 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1956 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1956 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1956 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1967 M:254 E: No. of Bases conflict, LENGTH:Input:287 Counted:2 SEQ:39
M:112 Repeated in SeqNo=39
L:1967 M:252 E: No. of Seq. differs, <211>LENGTH:Input:28 Found:2 SEQ:39
L:1969 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1969 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1969 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1969 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:2007 M:254 E: No. of Bases conflict, LENGTH:Input:252 Counted:2 SEQ:42
M:112 Repeated in SeqNo=42
L:2007 M:252 E: No. of Seq. differs, <211>LENGTH:Input:19 Found:2 SEQ:42
L:2009 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:2009 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:2009 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:2009 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:2020 M:254 E: No. of Bases conflict, LENGTH:Input:252 Counted:2 SEQ:43
M:112 Repeated in SeqNo=43
L:2020 M:252 E: No. of Seq. differs, <211>LENGTH:Input:24 Found:2 SEQ:43
L:2022 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:2022 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:2077 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:46
M:112 Repeated in SeqNo=46
L:2077 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:46
L:2090 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:47
M:112 Repeated in SeqNo=47
L:2090 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:47
L:2103 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:48
```

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Input Set : **A:\Cura-251.app**
Output Set: **N:\CRF3\09192001\I825751.raw**

```
M:112 Repeated in SeqNo=48
L:2103 M:252 E: No. of Seq. differs, <211>LENGTH:Input:23 Found:2 SEQ:48
L:2133 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:50
M:112 Repeated in SeqNo=50
L:2133 M:252 E: No. of Seq. differs, <211>LENGTH:Input:18 Found:2 SEQ:50
L:2146 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:51
M:112 Repeated in SeqNo=51
L:2146 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:51
L:2159 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:52
M:112 Repeated in SeqNo=52
L:2159 M:252 E: No. of Seq. differs, <211>LENGTH:Input:24 Found:2 SEQ:52
L:2236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:2237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:2247 M:254 E: No. of Bases conflict, LENGTH:Input:191 Counted:2 SEQ:58
L:2247 M:112 C: (48) String data converted to lower case,
L:2247 M:252 E: No. of Seq. differs, <211>LENGTH:Input:24 Found:2 SEQ:58
L:2260 M:254 E: No. of Bases conflict, LENGTH:Input:191 Counted:2 SEQ:59
M:112 Repeated in SeqNo=59
L:2260 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:2 SEQ:59
L:2291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
```